

FIG. 1

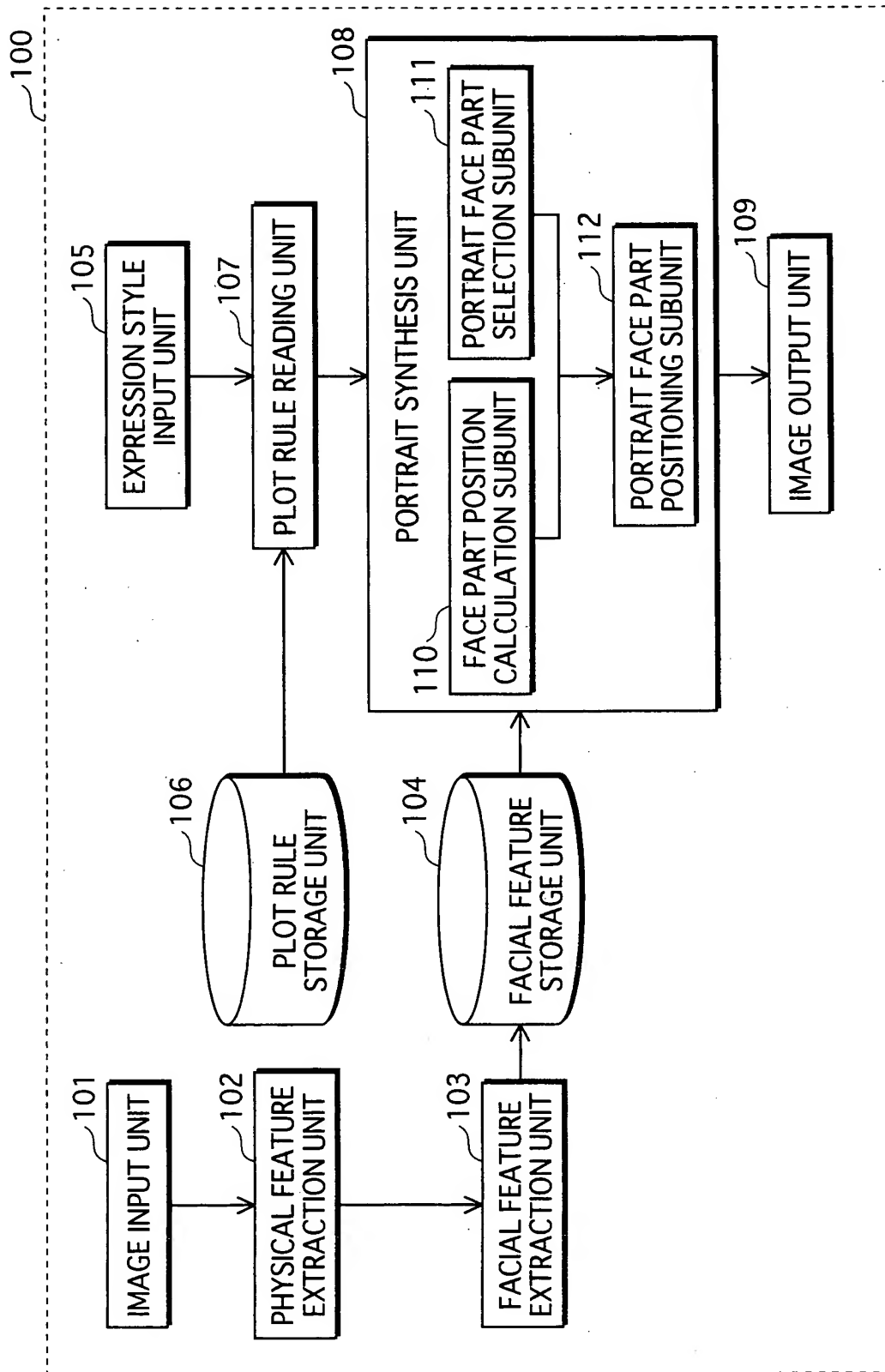


FIG.2

	PHYSICAL FEATURE
EYEBROWS (LEFT AND RIGHT SEPARATELY)	PART CIRCUMSCRIBING RECTANGLE: WIDTH, HEIGHT, INCLINATION, CENTER COORDINATES
EYES (LEFT AND RIGHT SEPARATELY)	PART CIRCUMSCRIBING RECTANGLE: WIDTH, HEIGHT, INCLINATION, CENTER COORDINATES
NOSE	PART CIRCUMSCRIBING RECTANGLE: WIDTH, HEIGHT, INCLINATION, CENTER COORDINATES
MOUTH	PART CIRCUMSCRIBING RECTANGLE: WIDTH, HEIGHT, INCLINATION, CENTER COORDINATES
FACE LINE	PART CIRCUMSCRIBING RECTANGLE: WIDTH, HEIGHT, INCLINATION, CENTER COORDINATES
HAIR REGION	PIXELS IN THE REGION

FIG.3

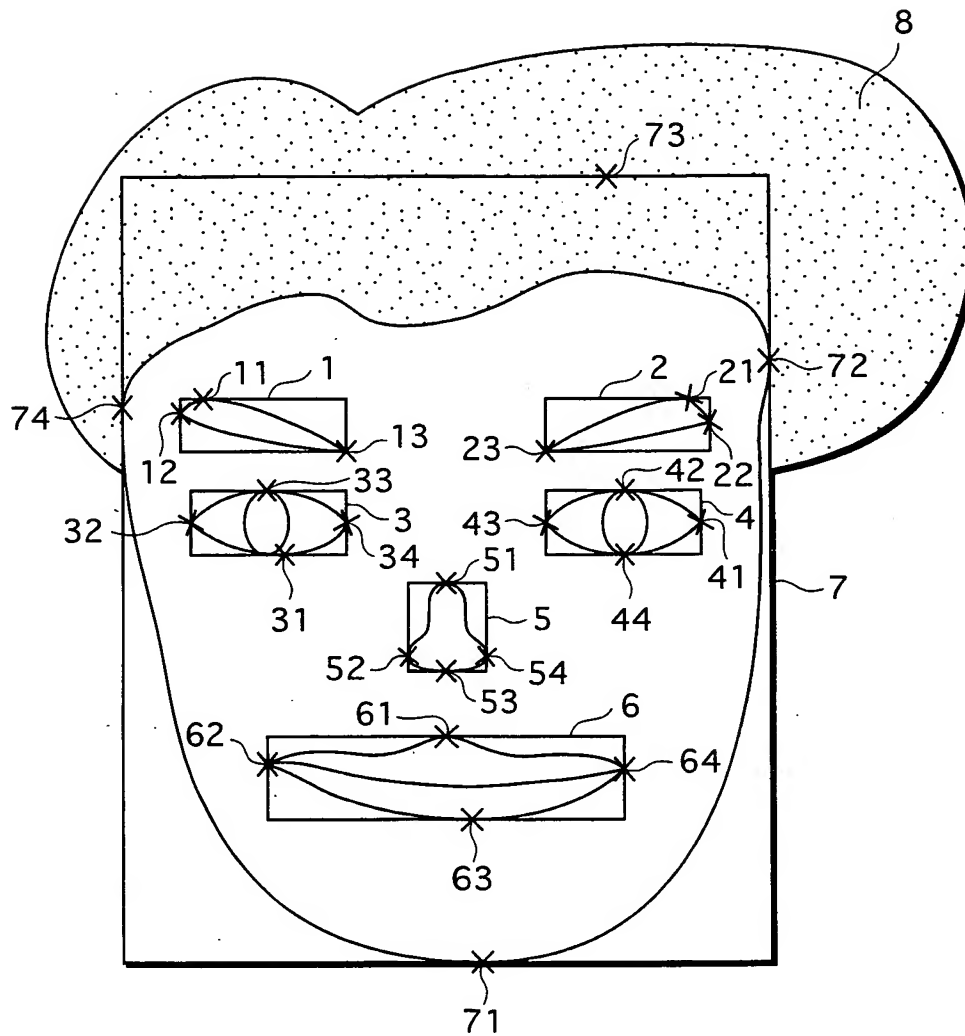


FIG.4A

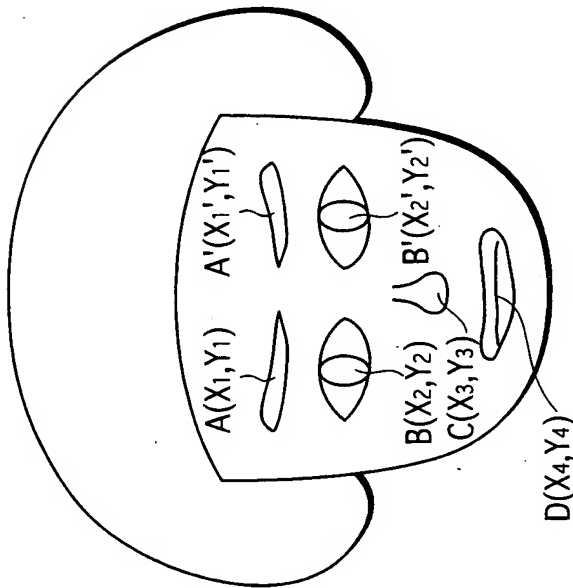


FIG.4B

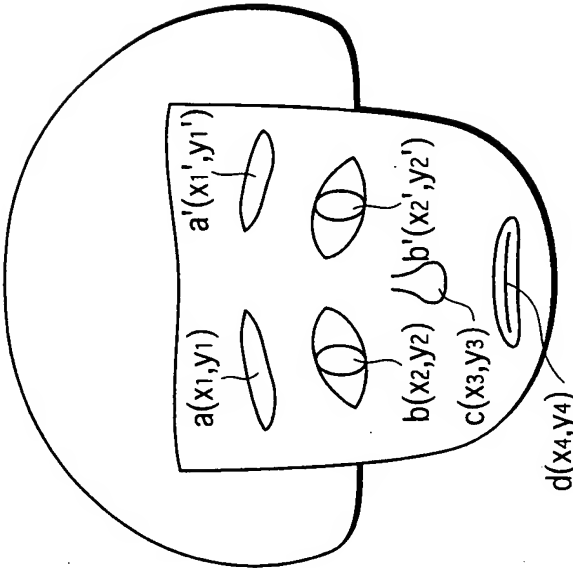


FIG.4D

FACE PART	AMOUNT OF VERTICAL-DIRECTION DISPLACEMENT
[EYEBROWS] EYES	$\frac{(y_2 - y_1) + (y_2' - y_1')}{(Y_2 - Y_1) + (Y_2' - Y_1')}$
[EYEBROWS] NOSE	$\frac{y_3 - 1/2(y_1 + y_1')}{Y_3 - 1/2(Y_1 + Y_1')}$
[EYEBROWS] MOUTH	$\frac{y_4 - 1/2(y_1 + y_1')}{Y_4 - 1/2(Y_1 + Y_1')}$
[EYES] NOSE	$\frac{y_3 - 1/2(y_2 + y_2')}{Y_3 - 1/2(Y_2 + Y_2')}$
[NOSE] MOUTH	$\frac{y_4 - y_3}{Y_4 - Y_3}$

FIG.4C

FACE PART	AMOUNT OF HORIZONTAL-DIRECTION DISPLACEMENT (d)
EYEBROWS	$\frac{(x_1 + x_1') - (x_1 + x_1')}{2}$
EYES	$\frac{(x_2 + x_2') - (x_2 + x_2')}{2}$
NOSE	$x_3 - x_3$
MOUTH	$x_4 - x_4$

FIG. 5

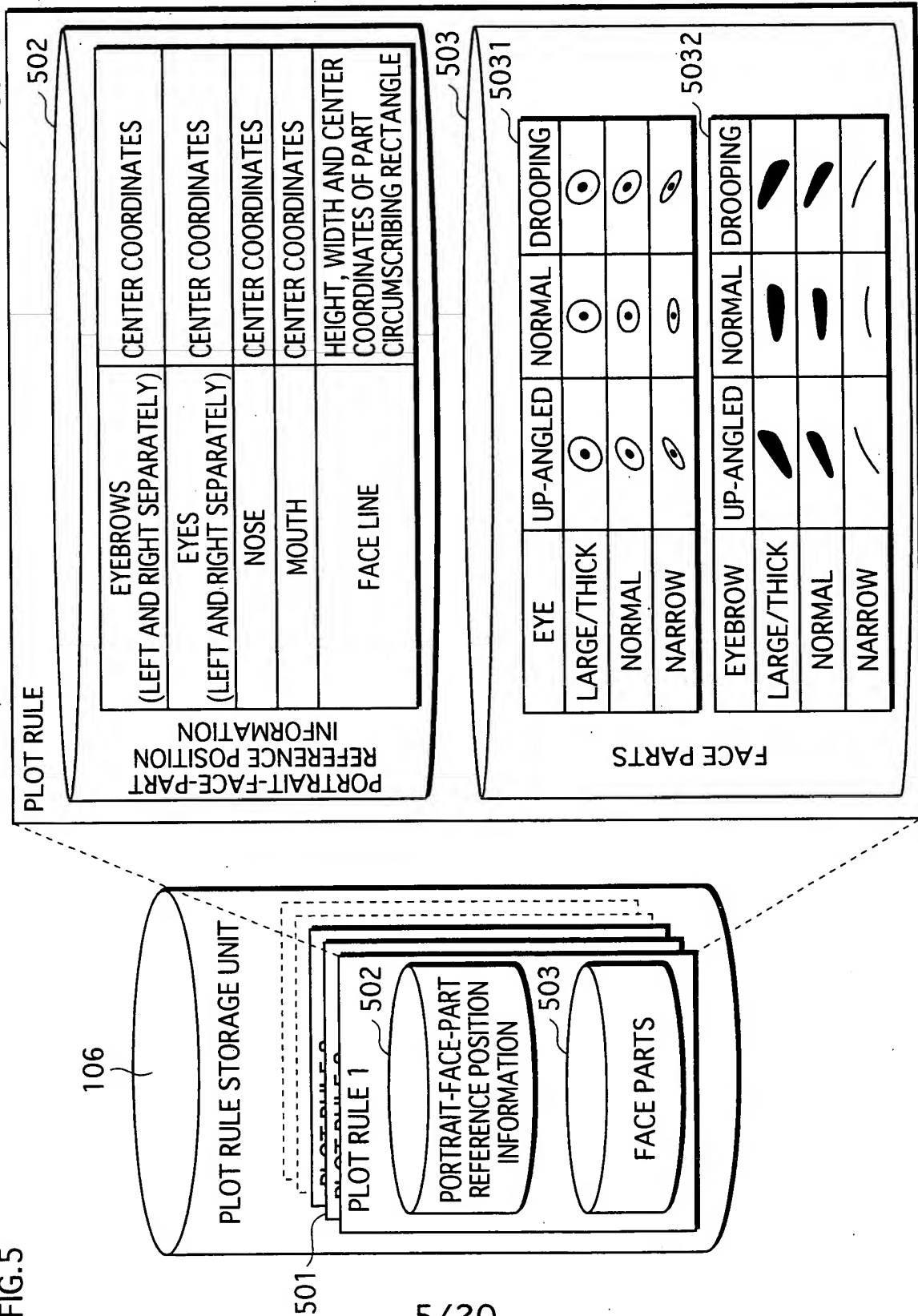


FIG.6A

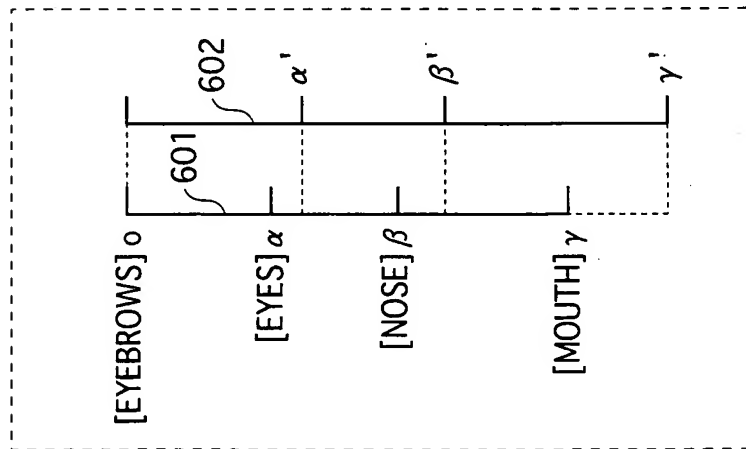


FIG.6B

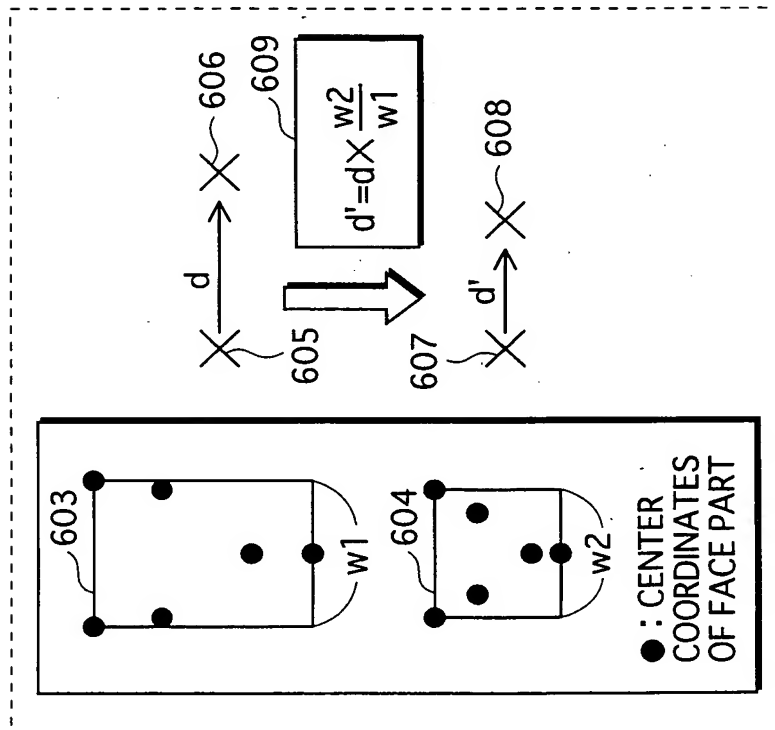


FIG.6C

FACE PART	$d'$
EYEBROWS	$d_1 \times \frac{w_2}{w_1}$
EYES	$d_2 \times \frac{w_2}{w_1}$
NOSE	$d_3 \times \frac{w_2}{w_1}$
MOUTH	$d_4 \times \frac{w_2}{w_1}$

FIG.7

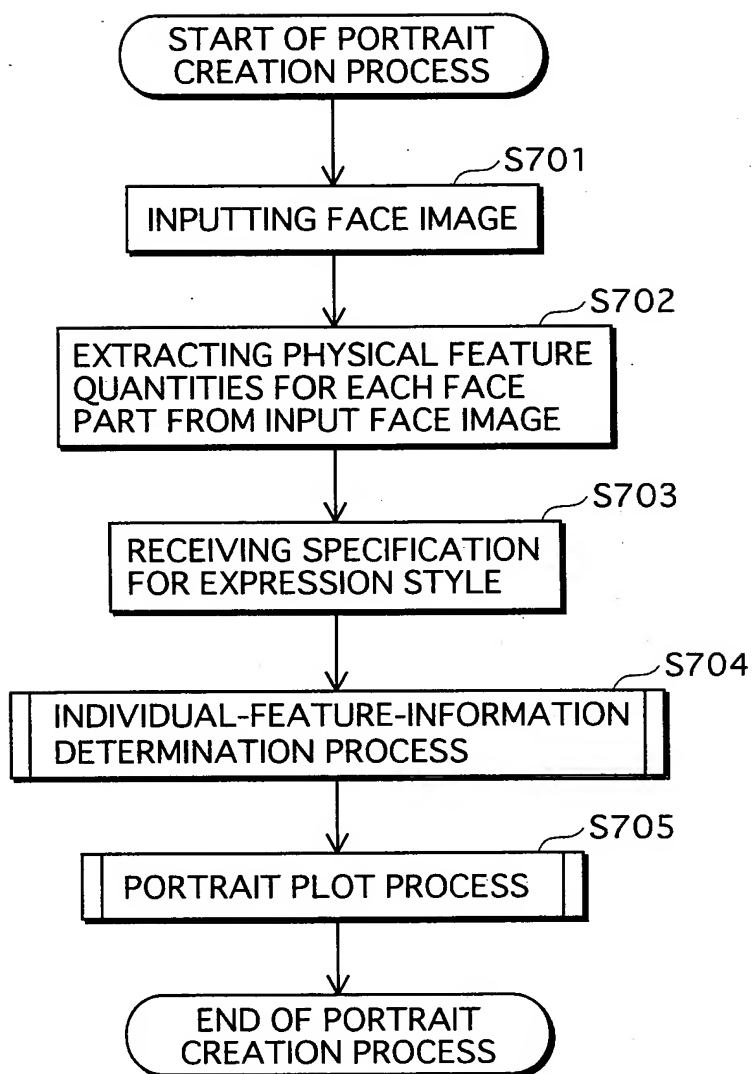


FIG. 8

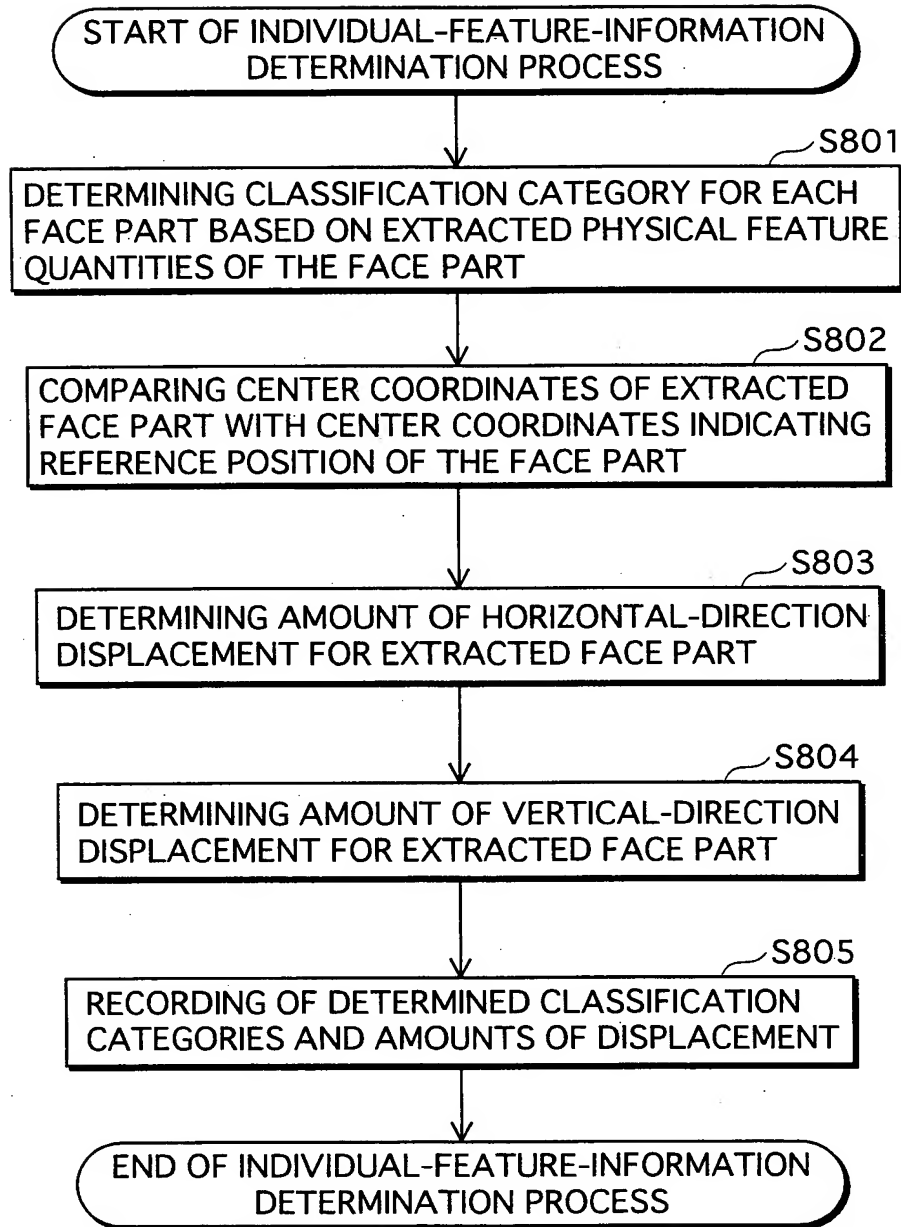




FIG. 9

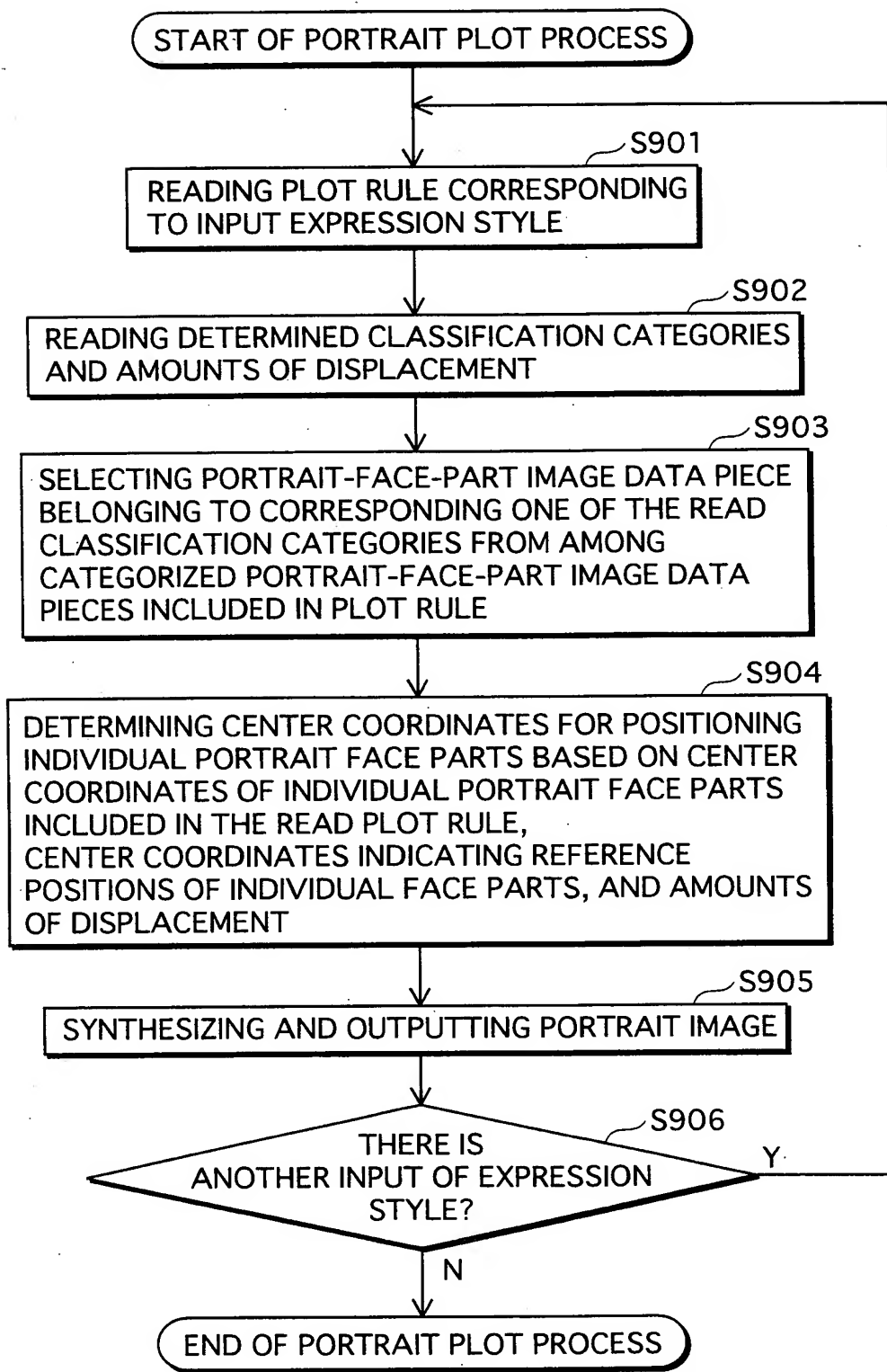


FIG. 10

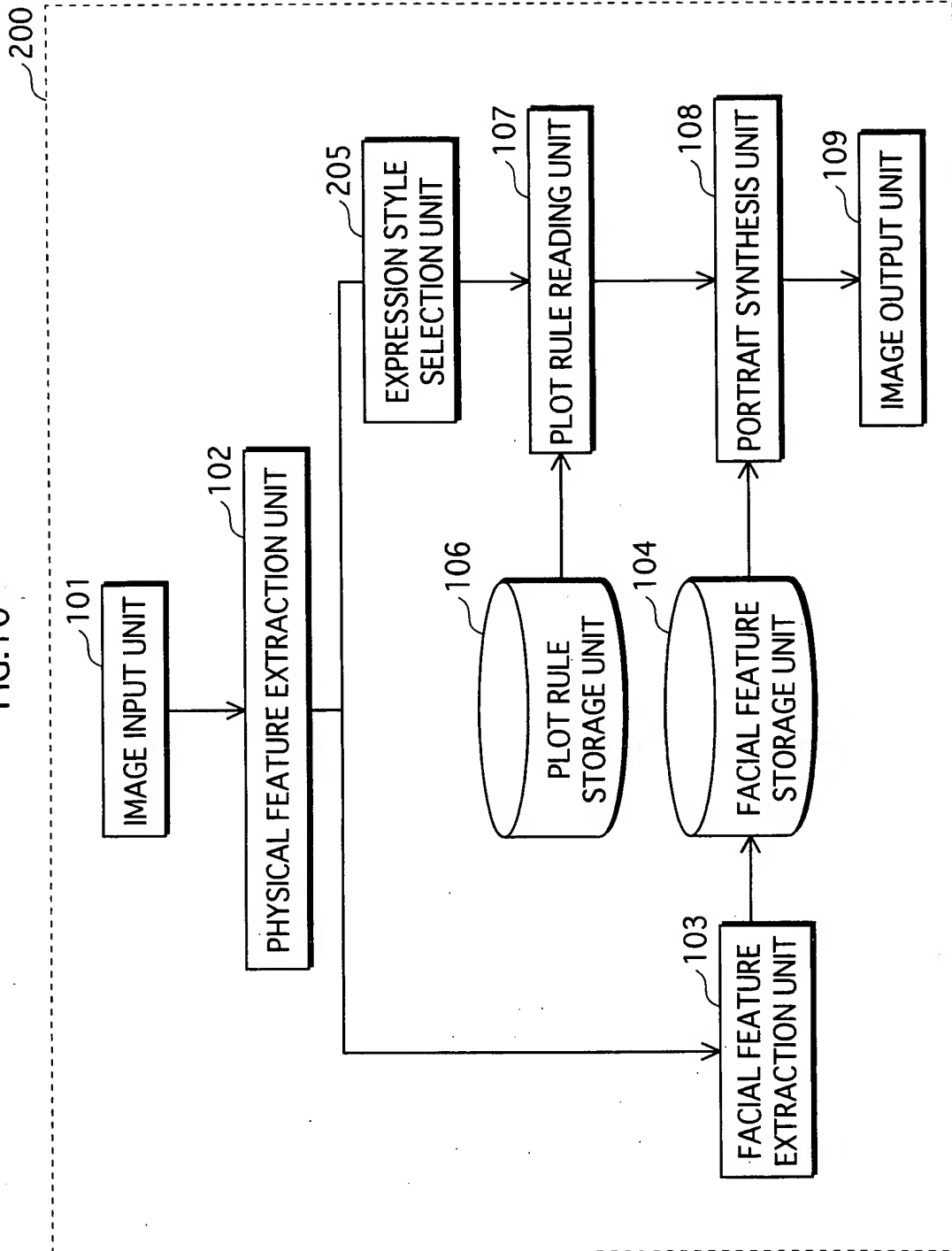


FIG.11

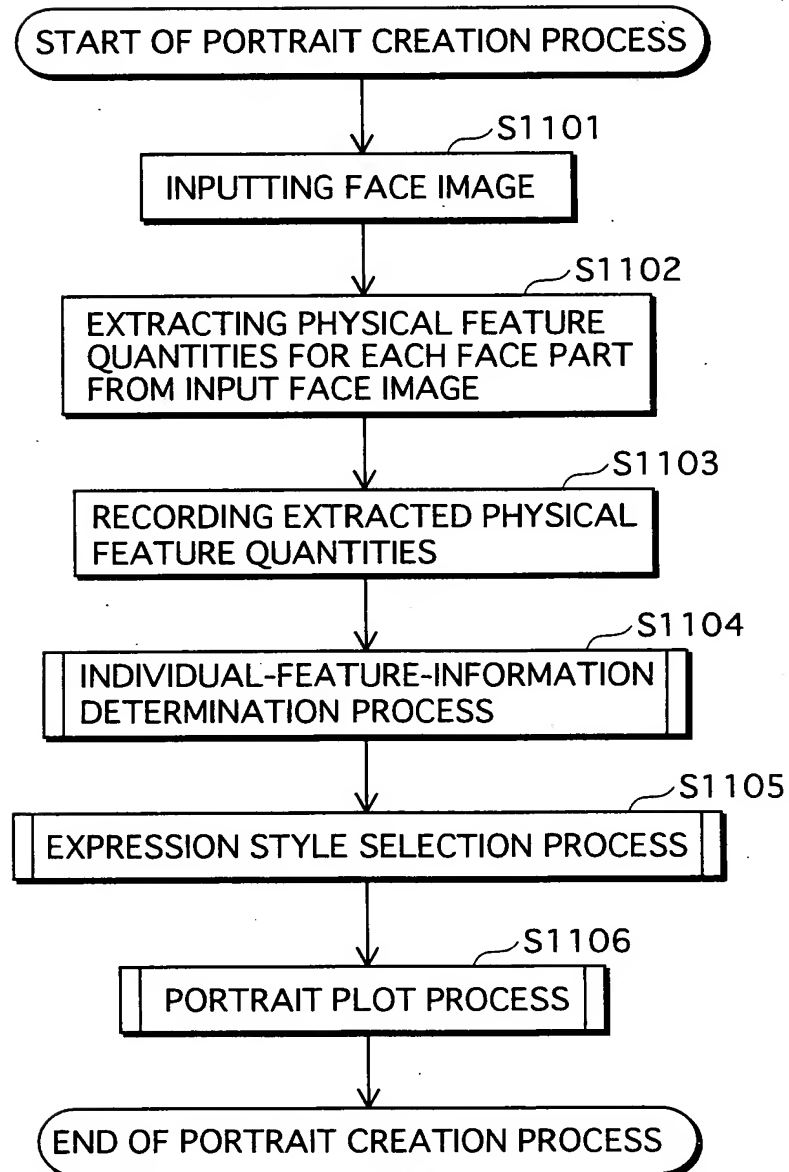


FIG.12

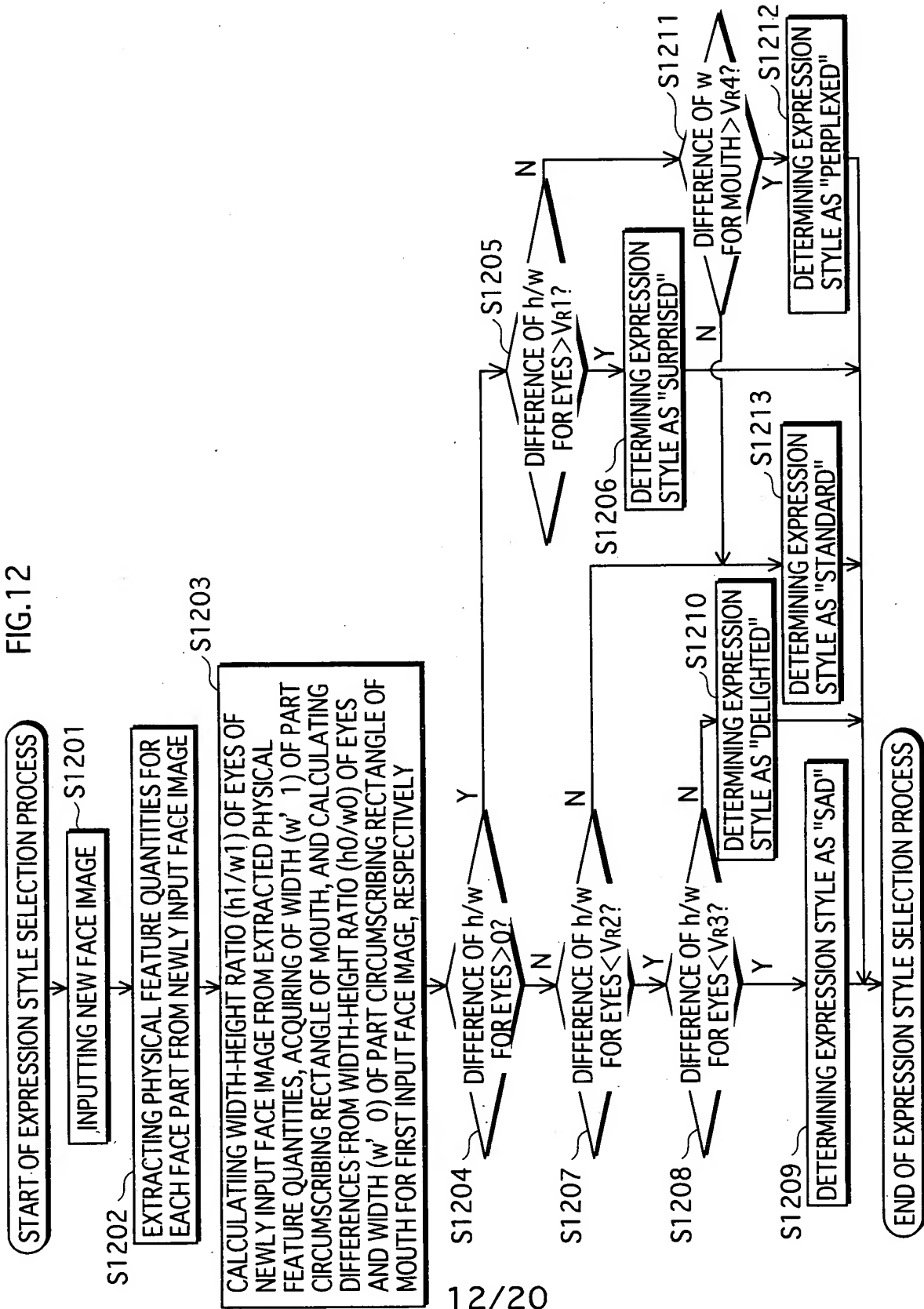


FIG.13

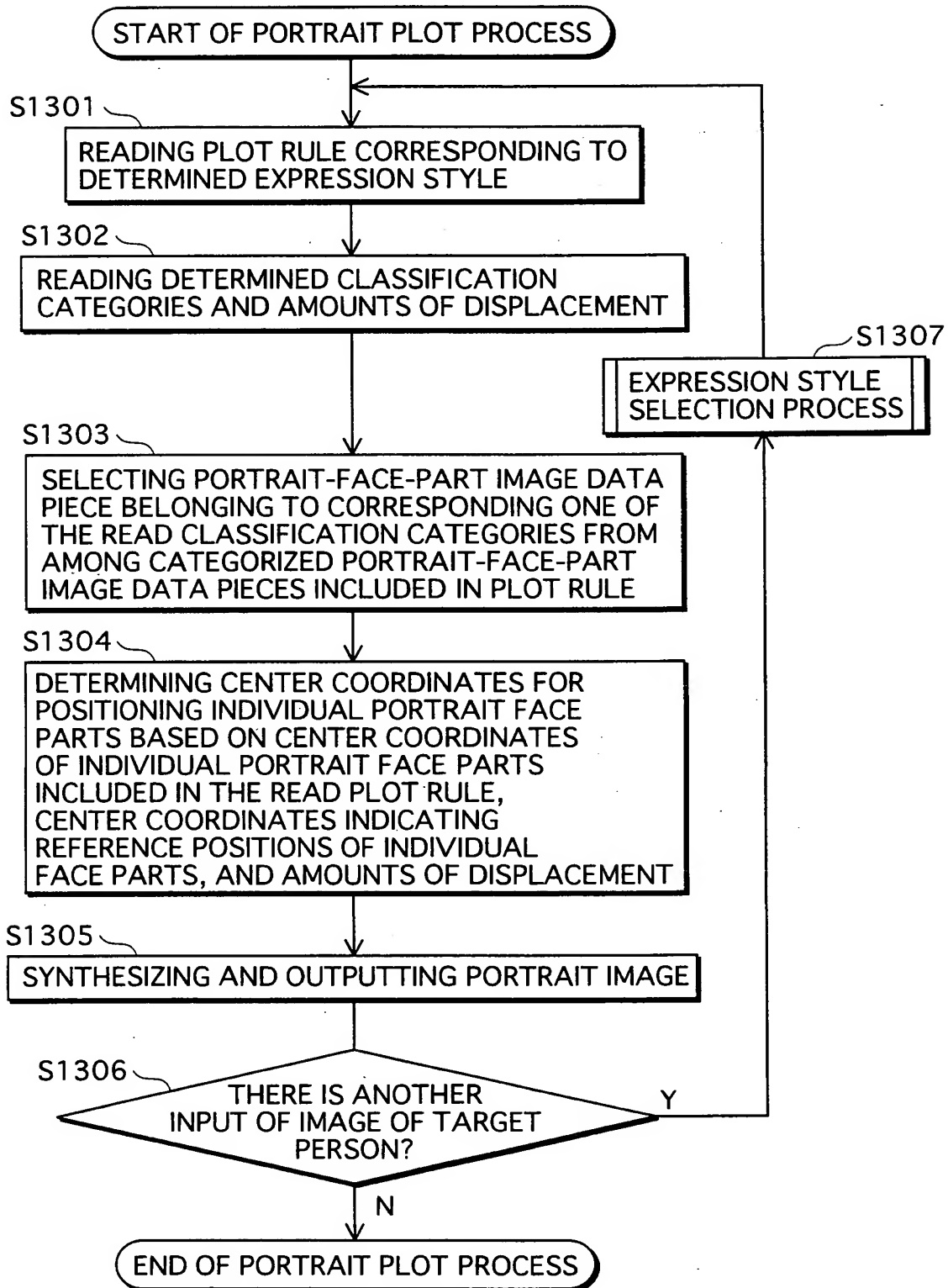


FIG. 14

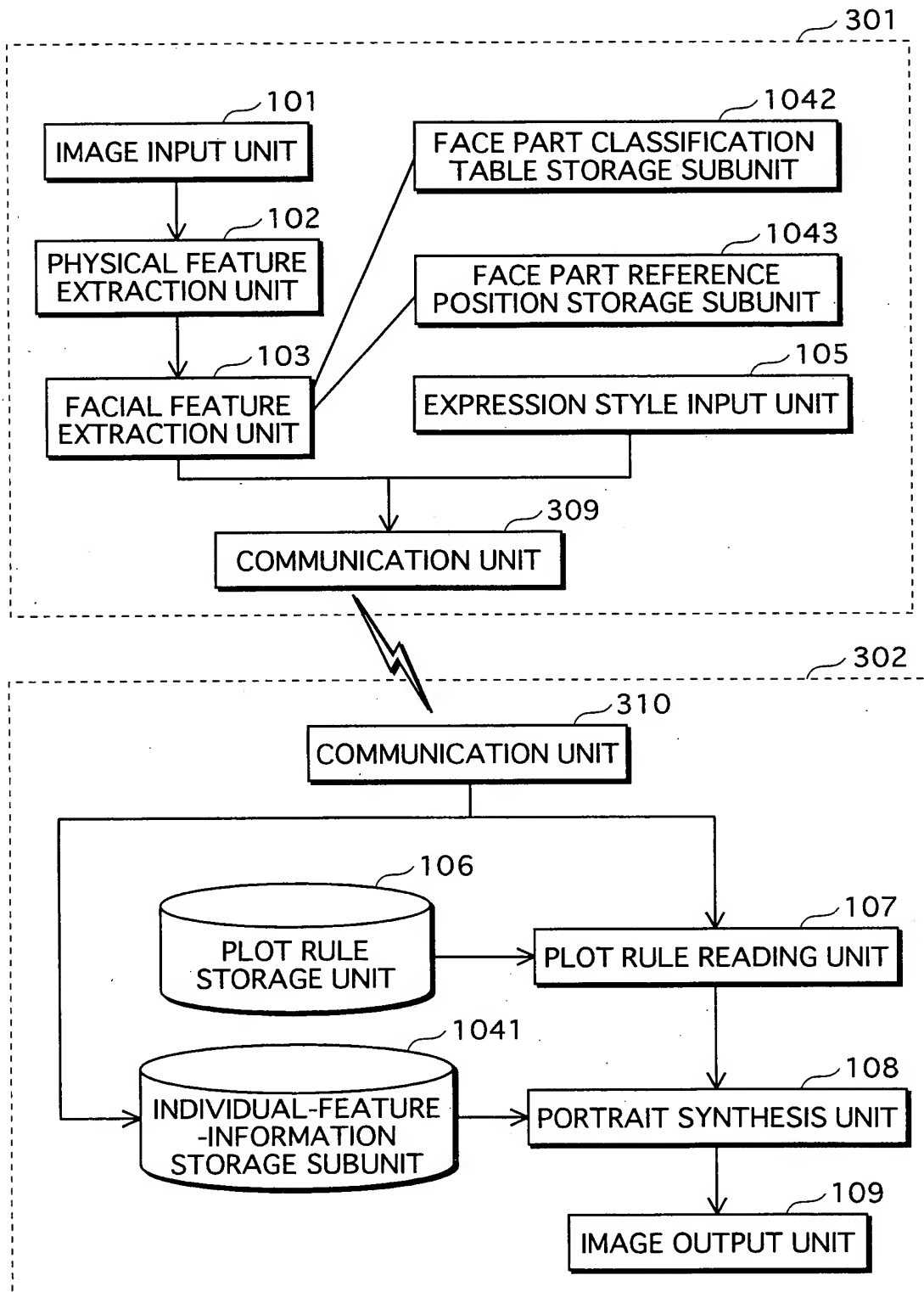


FIG.15

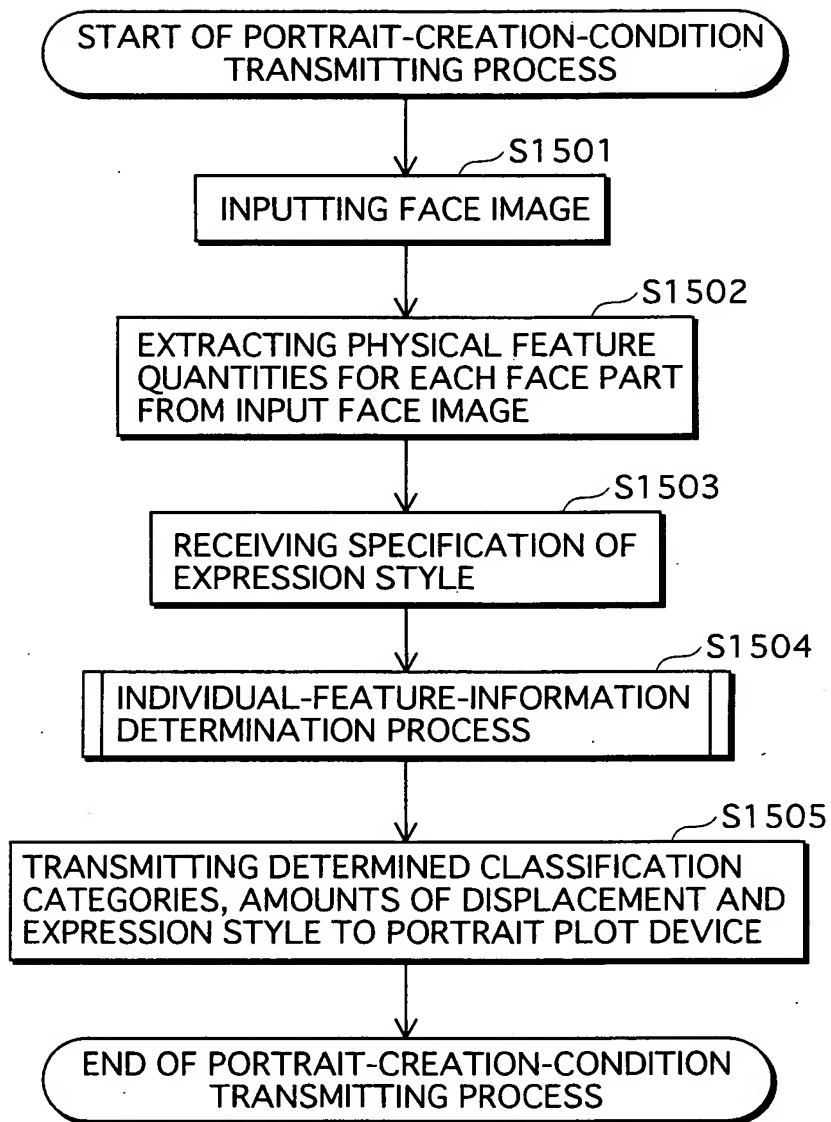


FIG.16

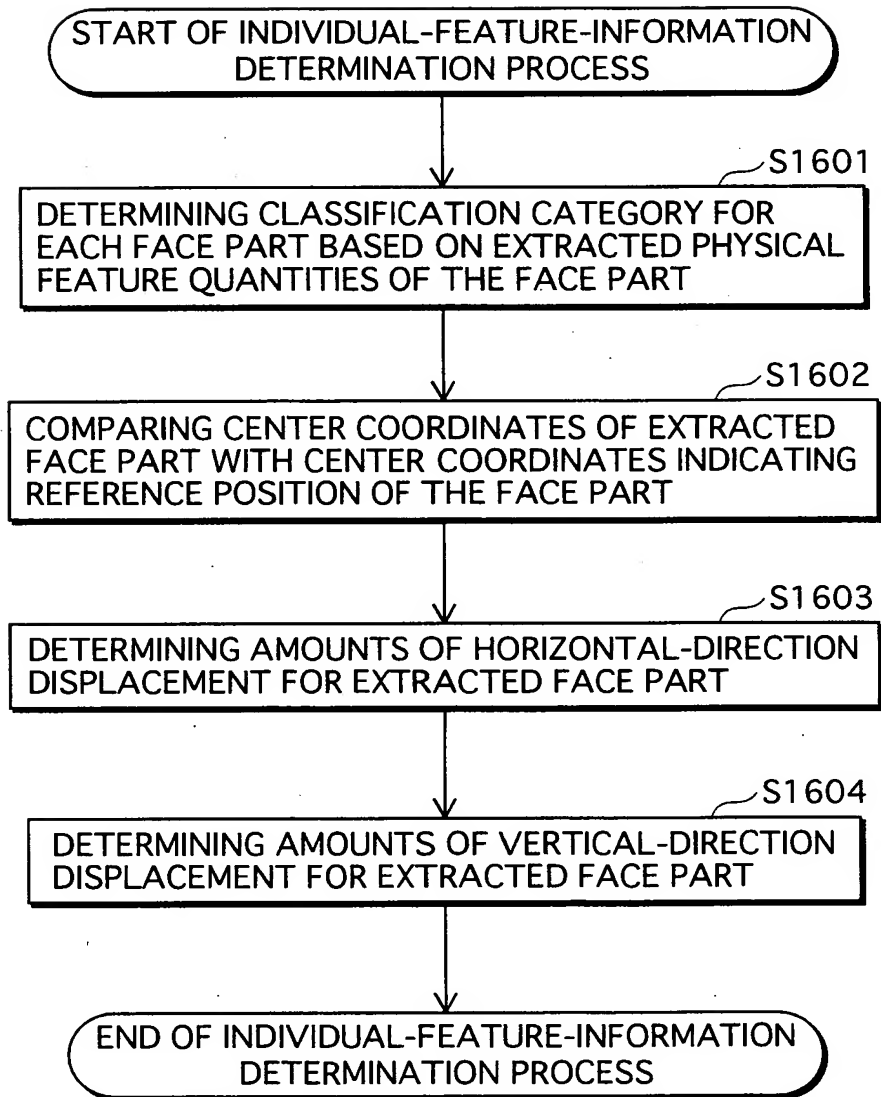




FIG.17

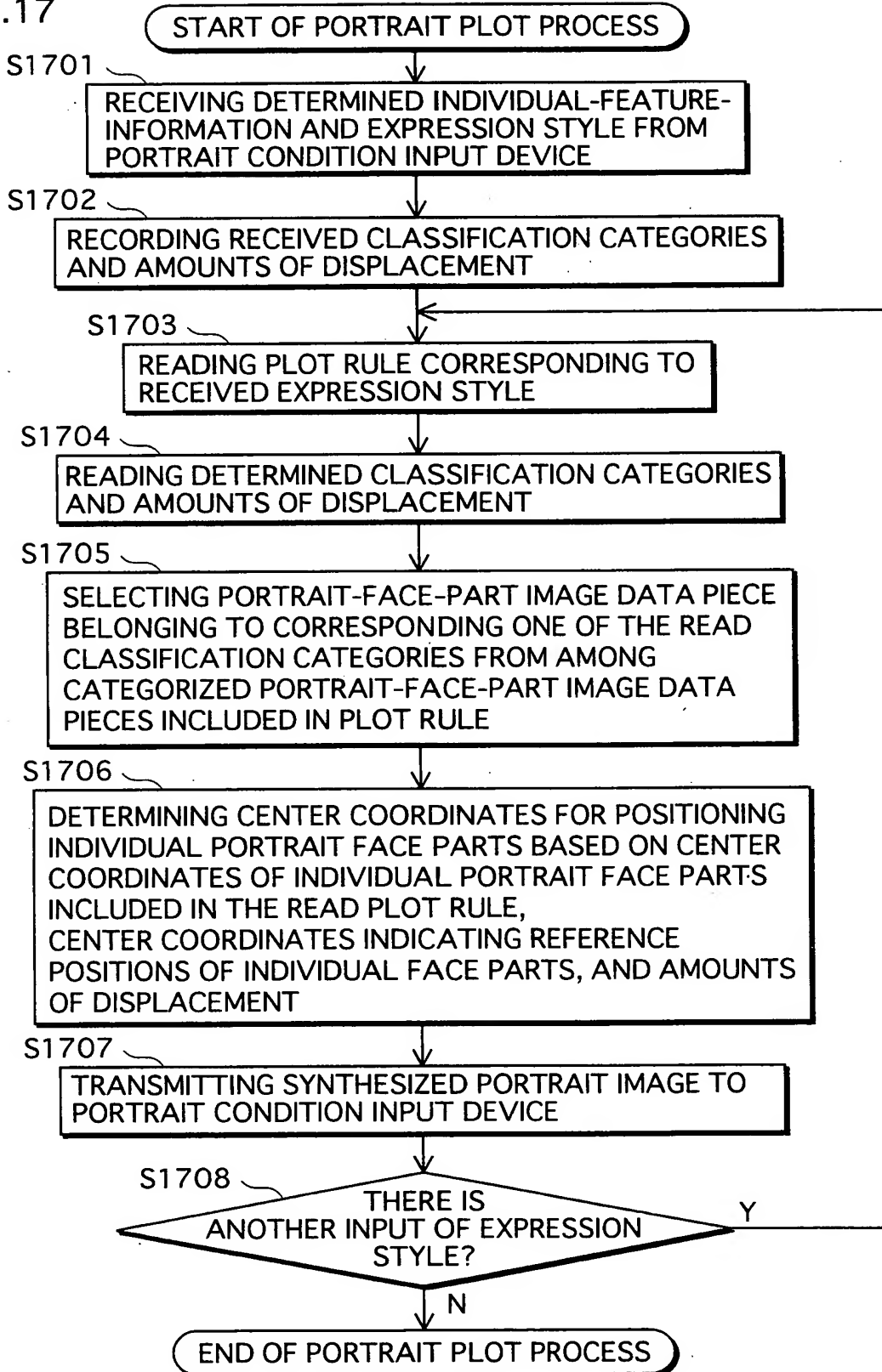


FIG.18

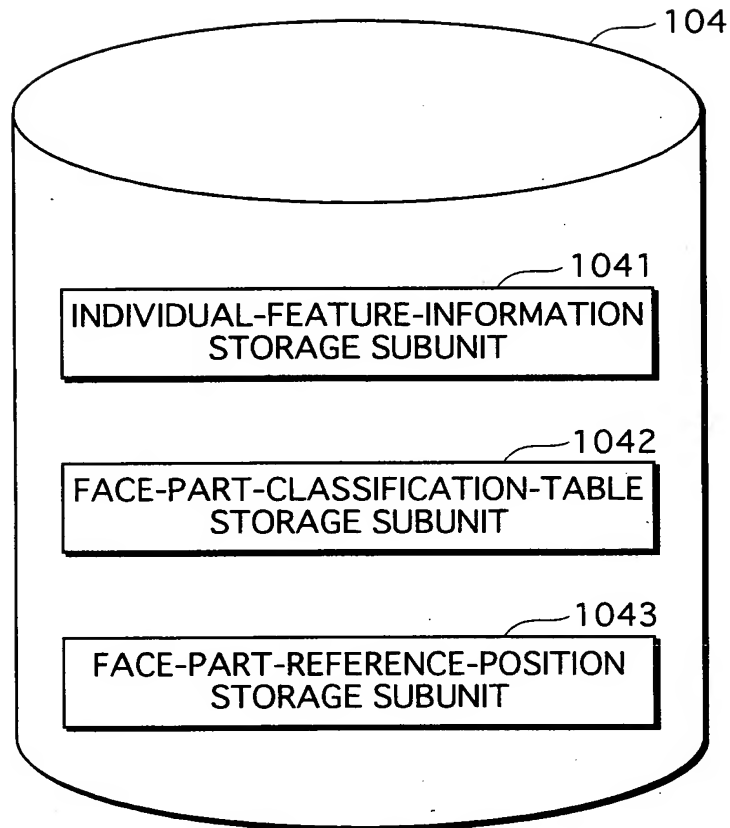


FIG.19

NAME OF FACE PART	A		
INCLINATION HEIGHT/WIDTH	RANGE 1	RANGE 2	RANGE 3
RANGE 4	CATEGORY 1	CATEGORY 2	CATEGORY 3
RANGE 5	CATEGORY 4	CATEGORY 5	CATEGORY 6
RANGE 6	CATEGORY 7	CATEGORY 8	CATEGORY 9

FIG.20

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FACE PART	REFERENCE POSITION
RIGHT EYEBROW	CENTER COORDINATES ( $X_1'$ , $Y_1'$ )
LEFT EYEBROW	CENTER COORDINATES ( $X_1$ , $Y_1$ )
RIGHT EYE	CENTER COORDINATES ( $X_2'$ , $Y_2'$ )
LEFT EYE	CENTER COORDINATES ( $X_2$ , $Y_2$ )
NOSE	CENTER COORDINATES ( $X_3$ , $Y_3$ )
MOUTH	CENTER COORDINATES ( $X_4$ , $Y_4$ )
FACE LINE	HEIGHT, WIDTH AND CENTER COORDINATES ( $X_5$ , $Y_5$ )